

Claims

5 1. A closure with a directionally peelable opening feature for articles comprising first and second layer of different polymeric films, wherein each layer has an upper and lower surface, the upper surface of the first layer is peelably attached to the lower surface of the second layer at a separation interface, provided that when the closure is used to secure an article, at least one portion of the upper surface of the first layer or the lower surface of the second layer is not attached to the container.

10 2. The closure of claim 1 wherein the films of the first and second layers have been biaxially oriented.

15 3. The closure of claim 1 wherein the separation interface between the skin and base layers has a peel strength in the range of about 30 to about 400 grams per 2-inch width at 90° peel.

20 4. The closure of claim 1 wherein the separation interface between the skin and base layers has a peel strength in the range of about 30 to about 400 grams per 1-inch width at 90° peel.

25 5. The closure of claim 1 wherein the first and second layer are polyolefin layers.

6. The closure of claim 1 wherein the first layer is derived from a polyolefin, and second layer is derived from a styrene, a vinyl polymer, a polyurethane, an acrylic polymer, or a nylon.

7. The closure of claim 1 wherein the first and second layers are each independently composed of polyethylene, polypropylene, polypropylene copolymers or mixtures thereof.

8. The closure of claim 1 wherein the lower surface and the upper surface of the first and second layer are bonded to a pressure sensitive adhesive, wherein a portion near one edge of one of the first or second layer is free of adhesive.

9. The closure of claim 1 wherein the lower surface of the first layer and the upper surface of the second layer are bonded to a heat sealable material,

wherein a portion near one edge of the first or second layer is free of heat sealable material.

5 *Sub B 13*
10 A directionally peelable closure for articles comprising first and second layer of different polyolefin films, wherein each layer has an upper and lower surface, the upper surface of the first layer is peelably attached to the lower surface of the second layer at a separation interface and wherein the separation interface between the skin and base layers has a peel strength in the range of about 30 to about 400 grams per 1-inch width at 90° peel, provided that when the closure is used to secure an article, at least one portion of the upper surface of the first layer or the lower surface of the second layer is not attached to the container.

15 11. The closure of claim 10 wherein the first and second layers are each independently composed of polyethylene, polypropylene, polypropylene copolymers or mixtures thereof.

20 12. The closure of claim 10 further comprising a release liner on the lower surface of the adhesive layer.

25 *Sub B 13* 13. The closure of claim 10 wherein the lower surface and the upper surface of the first and second layer are bonded to a pressure sensitive adhesive, wherein a portion near one edge of one of the first or second layer is free of adhesive.

14. The closure of claim 10 wherein the lower surface and the upper surface of the first and second layer are bonded to a heat sealable material, wherein a portion near one edge of one of the first or second layer is free of heat sealable material.

25 *Sub B 10* 15. A container sealed with a directionally peelable closure, comprising an article which is articulated to provide for sealing with a closure and a closure adhered to article wherein the closure comprises a first and second layer of different polymeric films, wherein each layer has an upper and lower surface, the upper surface of the first layer is peelably attached to the lower surface of the

second layer at a separation interface, and having at least portion of the upper surface of the first layer or the lower surface of the second layer which is not adhered to the container, wherein the force of the container contents is applied distant from the edge of the separation interface.

5 16. The container of claim 15 wherein the container is an envelope with a sealing flap and the closure is attached to the flap or the envelope which the flap covers.

10 17. The container of claim 15 wherein the portion of the closure to sealing flap is not secured to the envelope.

15 18. The container of claim 15 wherein the container is a box with at least one sealing flap and the closure is attached to the sealing flap or the portion of the box which is covered by the sealing flap.

20 19. The container of claim 15 wherein the portion of the closure to the sealing flap is not secured to the box.

25 20. A reusable directionally sealed container comprising a container with two sealing means and two closures which are directionally peelable each closure is positioned on the container to contact a sealing means and wherein the closure comprises a first and second layer of different polymeric films, wherein each layer has an upper and lower surface, the upper surface of the first layer is peelably attached to the lower surface of the second layer at a separation interface, and having at least portion of the upper surface of the first layer or the lower surface of the second layer is not adhered to the container, and wherein the force of the container contents is applied distant from the edge of the separation interface.

21. The container of claim 20 wherein the sealing means are flaps.

22. The container of claim 20 wherein sealing means provides for consecutive sealing of the container.

add c 7